Title (en)
CODING METHOD AND DECODING METHOD

Title (de)
DECODIERVERFAHREN UND CODIERVERFAHREN

Title (fr)
PROCÉDÉ DE CODAGE ET PROCÉDÉ DE DÉCODAGE

Publication
EP 2879296 A1 20150603 (EN)

Application
EP 13823317 A 20130722

Priority
• JP 2012163434 A 20120724
• JP 2013004438 W 20130722

Abstract (en)
An encoding method generates an encoded sequence by performing encoding of a given coding rate according to a predetermined parity check matrix. The predetermined parity check matrix is a first parity check matrix or a second parity check matrix. The first parity check matrix corresponds to a low-density parity check (LDPC) convolutional code using a plurality of parity check polynomials. The second parity check matrix is generated by performing at least one of row permutation and column permutation with respect to the first parity check matrix. An eth parity check polynomial that satisfies zero, of the LDPC convolutional code, is expressible by using a predetermined mathematical formula.

IPC 8 full level
H03M 13/03 (2006.01); **H03M 13/00** (2006.01); **H03M 13/11** (2006.01); H03M 13/09 (2006.01)

CPC (source: EP US)
H03M 13/036 (2013.01 - EP US); **H03M 13/1111** (2013.01 - EP US); **H03M 13/1154** (2013.01 - EP US); **H03M 13/616** (2013.01 - US);
H03M 13/617 (2013.01 - US); **H03M 13/635** (2013.01 - EP US); H03M 13/09 (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2879296 A1 20150603; **EP 2879296 A4 20150805**; JP 5864749 B2 20160217; JP WO2014017062 A1 20160707; US 10224961 B2 20190305;
US 2015288386 A1 20151008; WO 2014017062 A1 20140130

DOCDB simple family (application)
EP 13823317 A 20130722; JP 2013004438 W 20130722; JP 2014526753 A 20130722; US 201314405432 A 20130722